



14538A-008110US.ST25.txt  
SEQUENCE LISTING

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SLOAN, Derek D.

<120> METHODS FOR SCREENING FOR AGENTS CAPABLE OF MODULATING T LYMPHOCYTE FUNCTION  
IN RESPONSE TO A HERPES SIMPLEX VIRUS-INFECTED CELL

<130> 14538A-008110US

<140> 10/595,840

<141> 2006-05-15

<150> PCT/US2004/038050

<151> 2004-11-15

<160> 4

<170> PatentIn version 3.1

<210> 1

<211> 481

<212> PRT

<213> Herpes simplex virus 1

<400> 1

Met Ala Cys Arg Lys Phe Cys Arg Val Tyr Gly Gly Gln Gly Arg Arg  
1 5 10 15

Lys Glu Glu Ala Val Pro Pro Glu Thr Lys Pro Ser Arg Val Phe Pro  
20 25 30

His Gly Pro Phe Tyr Thr Pro Ala Glu Asp Ala Cys Leu Asp Ser Pro  
35 40 45

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Pro Pro Glu Thr Pro Lys Pro Ser His Thr Thr Pro Pro Ser Glu Ala  
 50 55 60  
 Glu Arg Leu Cys His Leu Gln Glu Ile Leu Ala Gln Met Tyr Gly Asn  
 65 70 75 80  
 Gln Asp Tyr Pro Ile Glu Asp Asp Pro Ser Ala Asp Ala Ala Asp Asp  
 85 90 95  
 Val Asp Glu Asp Ala Pro Asp Asp Val Ala Tyr Pro Glu Glu Tyr Ala  
 100 105 110  
 Glu Glu Leu Phe Leu Pro Gly Asp Ala Thr Gly Pro Leu Ile Gly Ala  
 115 120 125  
 Asn Asp His Ile Pro Pro Pro Cys Gly Ala Ser Pro Pro Gly Ile Arg  
 130 135 140  
 Arg Arg Ser Arg Asp Glu Ile Gly Ala Thr Gly Phe Thr Ala Glu Glu  
 145 150 155 160  
 Leu Asp Ala Met Asp Arg Glu Ala Ala Arg Ala Ile Ser Arg Gly Gly  
 165 170 175  
 Lys Pro Pro Ser Thr Met Ala Lys Leu Val Thr Gly Met Gly Phe Thr  
 180 185 190  
 Ile His Gly Ala Leu Thr Pro Gly Ser Glu Gly Cys Val Phe Asp Ser  
 195 200 205  
 Ser His Pro Asp Tyr Pro Gln Arg Val Ile Val Lys Ala Gly Trp Tyr  
 210 215 220  
 Thr Ser Thr Ser His Glu Ala Arg Leu Leu Arg Arg Leu Asp His Pro  
 225 230 235 240  
 Ala Ile Leu Pro Leu Leu Asp Leu His Val Val Ser Gly Val Thr Cys  
 245 250 255  
 Leu Val Leu Pro Lys Tyr Gln Ala Asp Leu Tyr Thr Tyr Leu Ser Arg  
 260 265 270  
 Arg Leu Asn Pro Leu Gly Arg Pro Gln Ile Ala Ala Val Ser Arg Gln  
 275 280 285  
 Leu Leu Ser Ala Val Asp Tyr Ile His Arg Gln Gly Ile Ile His Arg  
 290 295 300

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Asp Ile Lys Thr Glu Asn Ile Phe Ile Asn Thr Pro Glu Asp Ile Cys  
305 310 315 320

Leu Gly Asp Phe Gly Ala Ala Cys Phe Val Gln Gly Ser Arg Ser Ser  
325 330 335

Pro Phe Pro Tyr Gly Ile Ala Gly Thr Ile Asp Thr Asn Ala Pro Glu  
340 345 350

Val Leu Ala Gly Asp Pro Tyr Thr Thr Thr Val Asp Ile Trp Ser Ala  
355 360 365

Gly Leu Val Ile Phe Glu Thr Ala Val His Asn Ala Ser Leu Phe Ser  
370 375 380

Ala Pro Arg Gly Pro Lys Arg Gly Pro Cys Asp Ser Gln Ile Thr Arg  
385 390 395 400

Ile Ile Arg Gln Ala Gln Val His Val Asp Glu Phe Ser Pro His Pro  
405 410 415

Glu Ser Arg Leu Thr Ser Arg Tyr Arg Ser Arg Ala Ala Gly Asn Asn  
420 425 430

Arg Pro Pro Tyr Thr Arg Pro Ala Trp Thr Arg Tyr Tyr Lys Met Asp  
435 440 445

Ile Asp Val Glu Tyr Leu Val Cys Lys Ala Leu Thr Phe Asp Gly Ala  
450 455 460

Leu Arg Pro Ser Ala Ala Glu Leu Leu Cys Leu Pro Leu Phe Gln Gln  
465 470 475 480

Lys

<210> 2

<211> 481

<212> PRT

<213> Herpes simplex virus 2

<400> 2

Met Ala Cys Arg Lys Phe Cys Gly Val Tyr Arg Arg Pro Asp Lys Arg  
1 5 10 15

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Gln Glu Ala Ser Val Pro Pro Glu Thr Asn Thr Ala Pro Ala Phe Pro  
20 25 30

Ala Ser Thr Phe Tyr Thr Pro Ala Glu Asp Ala Tyr Leu Ala Pro Gly  
35 40 45

Pro Pro Glu Thr Ile His Pro Ser Arg Pro Pro Ser Pro Gly Glu Ala  
50 55 60

Ala Arg Leu Cys Gln Leu Gln Glu Ile Leu Ala Gln Met His Ser Asp  
65 70 75 80

Glu Asp Tyr Pro Ile Val Asp Ala Ala Gly Ala Glu Glu Glu Asp Glu  
85 90 95

Ala Asp Asp Asp Ala Pro Asp Asp Val Ala Tyr Pro Glu Asp Tyr Ala  
100 105 110

Glu Gly Arg Phe Leu Ser Met Val Ser Ala Ala Pro Leu Pro Gly Ala  
115 120 125

Ser Gly His Pro Pro Val Pro Gly Arg Ala Ala Pro Pro Asp Val Arg  
130 135 140

Thr Cys Asp Thr Gly Lys Val Gly Ala Thr Gly Phe Thr Pro Glu Glu  
145 150 155 160

Leu Asp Thr Met Asp Arg Glu Ala Leu Arg Ala Ile Ser Arg Gly Cys  
165 170 175

Lys Pro Pro Ser Thr Leu Ala Lys Leu Val Thr Gly Leu Gly Phe Ala  
180 185 190

Ile His Gly Ala Leu Ile Pro Gly Ser Glu Gly Cys Val Phe Asp Ser  
195 200 205

Ser His Pro Asn Tyr Pro His Arg Val Ile Val Lys Ala Gly Trp Tyr  
210 215 220

Ala Ser Thr Ser His Glu Ala Arg Leu Leu Arg Arg Leu Asn His Pro  
225 230 235 240

Ala Ile Leu Pro Leu Leu Asp Leu His Val Val Ser Gly Val Thr Cys  
245 250 255

Leu Val Leu Pro Lys Tyr His Cys Asp Leu Tyr Thr Tyr Leu Ser Lys

260

Arg Pro Ser Pro Leu Gly His Leu Gln Ile Thr Ala Val Ser Arg Gln  
275 280 285

Leu Leu Ser Ala Ile Asp Tyr Val His Cys Lys Gly Ile Ile His Arg  
290 295 300

Asp Ile Lys Thr Glu Asn Ile Phe Ile Asn Thr Pro Glu Asn Ile Cys  
305 310 315 320

Leu Gly Asp Phe Gly Ala Ala Cys Phe Val Arg Gly Cys Arg Ser Ser  
325 330 335

Pro Phe His Tyr Gly Ile Ala Gly Thr Ile Asp Thr Asn Ala Pro Glu  
340 345 350

Val Leu Ala Gly Asp Pro Tyr Thr Gln Val Ile Asp Ile Trp Ser Ala  
355 360 365

Gly Leu Val Ile Phe Glu Thr Ala Val His Thr Ala Ser Leu Phe Ser  
370 375 380

Ala Pro Arg Asp Pro Glu Arg Arg Pro Cys Asp Asn Gln Ile Ala Arg  
385 390 395 400

Ile Ile Arg Gln Ala Gln Val His Val Asp Glu Phe Pro Thr His Ala  
405 410 415

Glu Ser Arg Leu Thr Ala His Tyr Arg Ser Arg Ala Ala Gly Asn Asn  
420 425 430

Arg Pro Ala Trp Thr Arg Pro Ala Trp Thr Arg Tyr Tyr Lys Ile His  
435 440 445

Thr Asp Val Glu Tyr Leu Ile Cys Lys Ala Leu Thr Phe Asp Ala Ala  
450 455 460

Leu Arg Pro Ser Ala Ala Glu Leu Leu Arg Leu Pro Leu Phe His Pro  
465 470 475 480

Lys

<210> 3

<211> 10

<212> PRT

<213> Homo sapiens

<400> 3

Arg Val Trp Asp Leu Pro Gly Val Leu Lys  
1 5 10

<210> 4

<211> 9

<212> PRT

<213> Lymphocytic choriomeningitis virus

<400> 4

Lys Ala Val Tyr Asn Phe Ala Thr Cys  
1 5